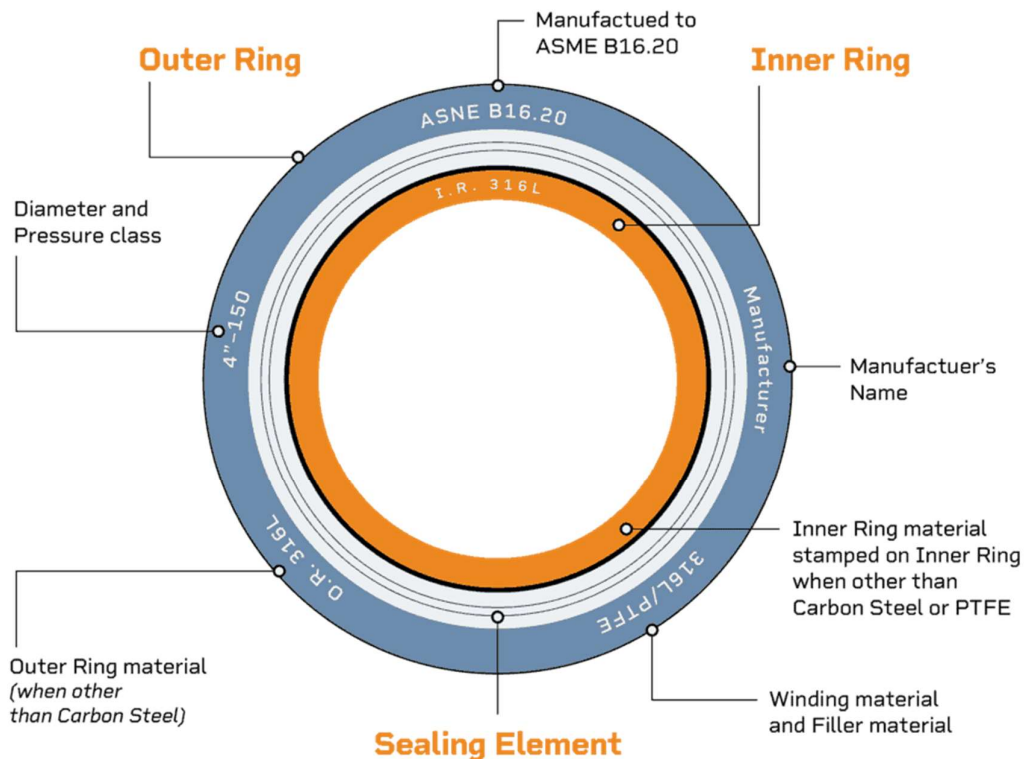


Spiral Wound Gaskets Selection

Marking of Spiral Wound Gaskets



Manufacturer

The **outer ring** of the spiral wound gaskets has the above markings on them. The manufacturer's name or trademark is positioned on the right-hand side of the gasket.

Flange Size

The flange size (NPS) for which the gasket is suitable is also mentioned on the gasket

Pressure Class

These markings inform the user of the load the gasket can handle. There are different pressure classes: 150, 300, 400, 600, 900, 1500, and 2500. Higher numbers indicate the ability to tolerate greater pressures.



Winding material abbreviation and filler material abbreviation

To accurately identify the filler material and the winding material color coding is used. The color of the outside rim, and the color of the stripe along the rim, both are important indicators of the material within the gasket.


- Outside rim colors indicate the gasket's windings materials
- Rim stripe colors tell you the gasket's filler materials

Spiral Wound Gasket Color Chart

Windings Material – Outside Rim Color

304 SS		Yellow
316 SS		Green
321 SS		Turquoise
347 SS		Blue
Alloy 20		Black
Carbon Steel		Silver
Hastelloy B		Brown
Hastelloy C		Beige
Inconel		Gold
Monel		Orange
Nickel		Red
Titanium		Purple

Filler Material – Rim Stripe Color

Mica Paper		Pink
Graphite		Grey
PTFE		White
Ceramic		Light Green

The following outside rim colors indicate specific windings materials:

- **Yellow** means 304 stainless steel gasket material. That means the inner ring and metallic windings are made of 304 stainless steel.
- **Green** is 316 stainless steel.
- **Turquoise** is 321 stainless steel.
- **Blue** is 347 stainless steel.
- **Orange** means that it's made out of Monel.
- **Black** is Alloy 20
- **Silver** is carbon steel
- **Brown** is Hastelloy B
- **Beige** is Hastelloy C
- **Gold** is Inconel
- **Red** is Nickel
- **Purple** is Titanium

NOTE: For oil and gas industry, most of the time you will see one of three colors

Yellow (304 stainless steel), Green (316 stainless steel), or Orange (monel). Monel is an alloy of nickel and copper that, in addition to tolerating high temperatures, also is resistant to corrosion.

Meanwhile, the rim stripe color tells you the gasket has one of the following filler materials:

- Pink indicates mica graphite
- Gray indicates graphite
- White indicates PTFE
- Light Green green stripe indicates ceramic

NOTE: For the oil and gas industry, most of the time one will see Gray stripe, indicating graphite.





Flange Standard

The flange standard for which the gasket is suitable is also mentioned on the gasket. Flange standard ASME 16.5 may or may not be mentioned.

Example: ASME 16.47 A or ASME 16.47 B

Applicable Standard

At the top of a spiral wound gasket, the standard for which the spiral wound gasket is suitable is mentioned. In the pic above standard “ASME B16.20” has been mentioned this indicates the gasket is made to the ASME B16.20 standard, which is the standard governing metallic gaskets for pipe flanges

Example Markings for Spiral-Wound Gaskets

Description	Marking
NPS 3, Class 300 and 600 ASME B16.5 gasket having a Type 304 metal winding and a flexible graphite filler material	3-300/600-F.G. (Manufacturer's trademark) ASME B16.20
NPS 36, Class 300 ASME B16.47 Series A gasket having a Type 304 metal winding and a ceramic filler material	36-300-CER ASME B16.47 A (Manufacturer's trademark) ASME B16.20
NPS 12, Class 1500 ASME B16.5 gasket having an inconel metal winding, PTFE filler material, and an inconel inner ring	12-1500 INC 600-PTFE INC 600 I.R. (Manufacturer's trademark) ASME B16.20